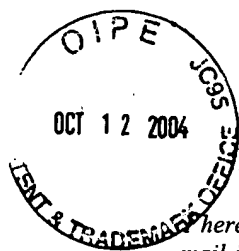


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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 7, 2004.*

Lisa D. Bronk

Applicant : Michael L. Roukes, et al.  
Application No. : 09/927,779  
Filed : August 9, 2001  
Title : ACTIVE NEMS ARRAYS FOR BIOCHEMICAL ANALYSES  
  
Grp./Div. : 1641  
Examiner : Ann Y. Lam  
  
Docket No. : 45129/RAG/C766

**INFORMATION DISCLOSURE STATEMENT AND  
CERTIFICATION UNDER § 1.97(e)(1)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
October 7, 2004

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B with a listing of references that are known to applicant. Copies of each of the listed references are enclosed.

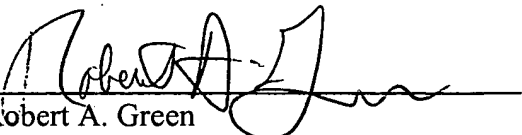
It is respectfully requested that these references be considered in the examination of this application and identified on the list of references cited on the patent issuing on this application. Applicant also requests that an initialed copy of said FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

**Application No. 09/927,779**

Applicant's undersigned attorney hereby certifies, in accordance 37 CFR § 1.97(e)(1), that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

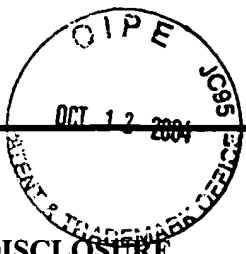
Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By   
Robert A. Green  
Reg. No. 28,301  
626/795-9900

RAG/ldb

Enclosures: PTO/SB/08A/B w/references



**INFORMATION DISCLOSURE**

**STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	45129/RAG/C766
Application Number	09/927,779
Filing Date	August 9, 2001
Applicant(s)	Michael L. Roukes, et al.
Group Art Unit	1641
Examiner Name	Ann Y. Lam

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		5,282,924	02-01-1994	Bayer, et al.
		5,807,758	09-15-1998	Lee, et al.

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
		WO 98/50773	11-12-1998	Charych, et al.	
		WO 00/58729	10-05-2000	Thundat, et al.	
		WO 01/33226 A1	05-10-2001	Baller, et al.	

**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Supplemental European Search Report dated June 15, 2004, European Patent Application No. 01964587
		BASELT, David R., et al., "Biosensor based on force microscope technology", J. Vac. Sci. Technol. B 14(2), Mar/Apr 1996, pgs. 789-793; XP000613363
		LANG, H.P., et al., "An artificial nose based on a micromechanical cantilever array", Analytica Chimica Acta, Vol. 393, March 1999, pgs. 59-65; XP000990018
		FRITZ, J, et al., "Translating Biomolecular Recognition into Nanomechanics", Science, 14 April 2000, pgs. 316-319, Vol. 288; XP000971747

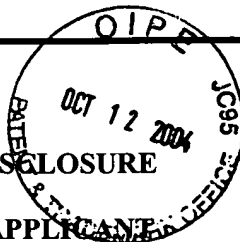
EXAMINER SIGNATURE	DATE CONSIDERED
<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.</p>	

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**INFORMATION DISCLOSURE**

**STATEMENT BY APPLICANT**

(use as many sheets as necessary)



**Attorney Docket Number**

**45129/RAG/C766**

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**Filing Date**

**August 9, 2001**

**Applicant(s)**

**Michael L. Roukes, et al.**

**Group Art Unit**

**1641**

**Examiner Name**

**Ann Y. Lam**

**OTHER DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		ROUKES, M.L., "Nanoelectromechanical Systems", November 8, 2000, Technical Digest of the 2000 Solid-State Sensor and Actuator Workshop, 6/4-8/2000, pgs. 1-10; XP002284418
		CRAIGHEAD, H.G., "Nanoelectromechanical Systems", Science, 24 November 2000, pgs. 1532-1535, Vol. 290; XP000941737

**EXAMINER  
SIGNATURE**

**DATE  
CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

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